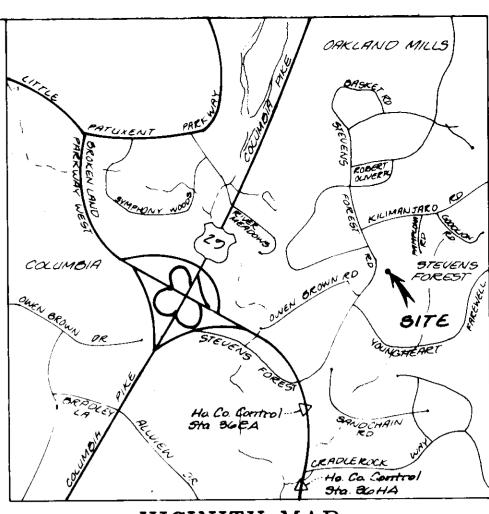
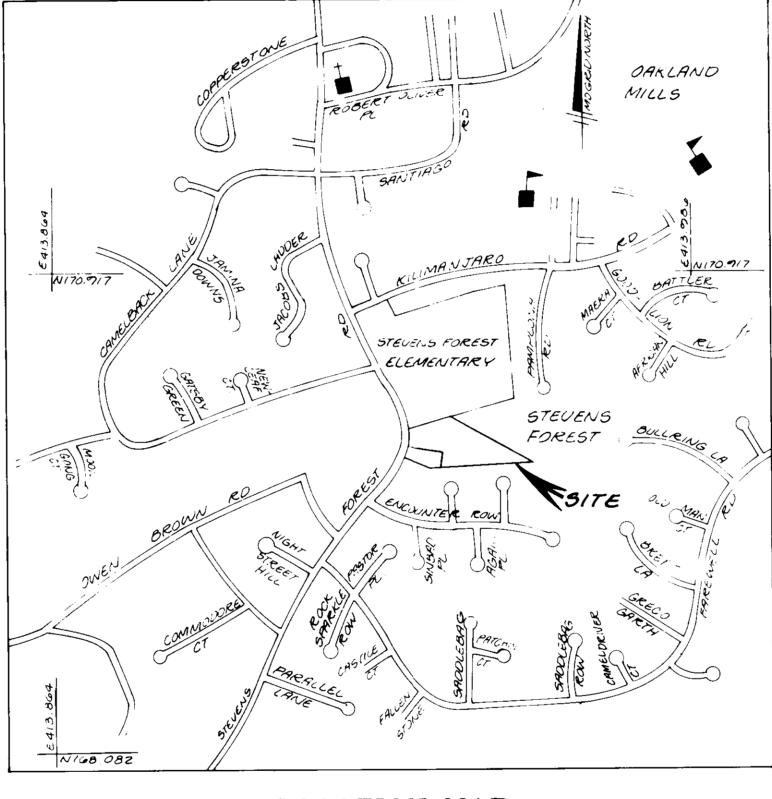
### GENERAL NOTES

- 1. All work shall be performed in accordance with the Howard County Design Manual Standard Specifications and Details for
- construction as amended in January 1989. 2. Deviations from these plans and specifications without prior written consent of the civil engineer may cause the work to
- be unacceptable. 3. Adjustments to the sequence of construction shall be approved by the Howard County Department of Inspections, Licenses and
- Permits prior to such adjustments. 4. Approximate locations of existing utilities are shown. The contractor shall take all necessary precautions to protect the existing utilities and maintain uninterrupted service. Any damage incurred due to contractor's operation shall be repaired immediately at the contractors expense.
- 5. Contractor to comply with the sediment control notes on sheet 6. There may be additional utilities not shown on these plans.
- The engineer assumes no responsibility for locations not shown and it shall be the responsibility of the contractor to verify the locations of all utilities within the limits of construction and notify the engineer.
- 7. The contractor to notify the following utilities or agencies at least (5) working days before beginning work: "Miss Utility"..... 1(800)257-7777 BGE.....(410)234-5691
- Bell Atlantic..... (410)393-3648 8. It shall be distinctly understood that failure to mention specifically any work which would normally be required to complete this project shall not relieve the contractor of his responsibility to perform such work.
- 9. The contractor shall obtain all necessary building permits. 10. The contractor shall repair and maintain all existing sediment control devices until all areas are stabilized. Once all areas are fully stabilized all sediment control devices
- shall be completely removed and those areas stabilized 11. The contractor shall contact the Howard County Department of Public Works Construction Inspection Division 24 hours in
- advance of commencement of construction at 313-1880. 12. Topography shown and locations of existing buildings, pathways, parking areas and utilities shown hereon was taken from a
- survey by The RBA Group dated 7/94. 13.All horizontal controls are based on Maryland State Coordinates, as per a plat recorded in plat book 18 at folio
- 8, dated 2/20/70. (NAD 27) 14.Prior to the start of construction, contractor shall stakeout all construction and verify all offsets, setbacks and existing
- utility locations. 15. The contractor shall test pit existing utilities where directed by the engineer a minimum of two weeks in advance
- of construction. 16. The Developer must request that The Department of Inspections, Licenses and Permits approve work completed in accordance with the approved Erosion and Sediment Plan, The grading or
- building permit, and the Ordinance. 17. Any damage to County Rights-of-Way and paving of public roads shall be repaired immediately at the contractors expense in accordance with the Howard County standards and specs.
- 18.All fill shall be rolled to a minimum degree of compaction of 95% of the dry unit weight as determined by ASTM D-698. 19.All concrete for site work shall be class 2 concrete and shall
- be in accordance with the Maryland State Highway Administration specifications as amended to date. 20. Demarcate the limit of disturbance area on the site with a
- construction fence prior to any grading for the Tot Lot construction.
- 21. Maintenance of the Tot Lot will be the responsibility of The Columbia Association, the owner. 22.All existing trees shown are not to be disturbed unless
- otherwise noted.
- 23. The following Department of Planning and Zoning file numbers shall apply: FDP Phase 82, E-70-49, 5PP-70-42. This project is exempt from stormwater management quantity and quality control per section 5.1.20 of The Howard County Design Manual Volume 1.

# VILLAGE OF OAKLAND MILLS STEVENS FOREST TOT LOT



VICINITY MAP Scale: 1'' = 2000'



LOCATION MAP Scale: 1'' = 600'

# LEGENO

SUBDIVISION NAME VILLAGE OF OAKLAND

NEW TO WAY OPEN SPACE

36

MILLS - STEUENS FOREST

ク

WATER CODE

. . . . . . . . . . . LIMIT OF DISTURBANCE ----- 394----- EXISTING CONTOUR PROPOSED CONTOUR \_\_\_s\_\_ SILT FENCE EXISTING TREE EXISTING ASPHALT PATHWAY PROPOSEO ASPHALT PATHWAY - DRAINAGE FLOW ARROWS PROPOSED TREE (RED MAPLE)

5	HEET	INDEX
No. 1	COVER	SHEET
NO. 2	SITE DEV SEDIMEN	TELOPMENT AND
No. 3	EQUIPME	NT LAYOUT PLAN
No. 4	SEDIMENT AND DET	T CONTROL NOTES

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING CHEEL DIVISION OF LAND DEVELOPMENT JA

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS. THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROISION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

ENGINEER'S CERTIFICATE



NOTES I VERTICAL DATUM BASED ON HOWARD COUNTY CONTROL STATIONS 36 HA AND 36 EA. (NAD 83) (30 HA = 202.87, 36 EA = 355.01)

2. HORIZONTAL CONTROL BASED ON EXISTING RECORD PLATS (NAD 27)

-				
	$\overline{ADL}$	RESS CHART		LDE INC
OT NO.		STREET ADDRESS	9250	$LDE,\ IN($
5.LOT / 605 Stevens Forest Road			(410) 7	15-1070 (301) 596-3424
	<u> </u>		DESIGNED	
			S.H.	SITE DEVELOPME
	<del> </del>		DRAWN	Village of Oaklar
	F	REVISIONS	S.D.	Section 5 - Are
IO. DA	l TE	DESCRIPTION	CHECKED	Stevens Forest Sopen Space Lot
			B.D.B.	
			4	6th Election District Howard
<del></del>			DATE	Owner / Developer The Columbia

323

6066.03

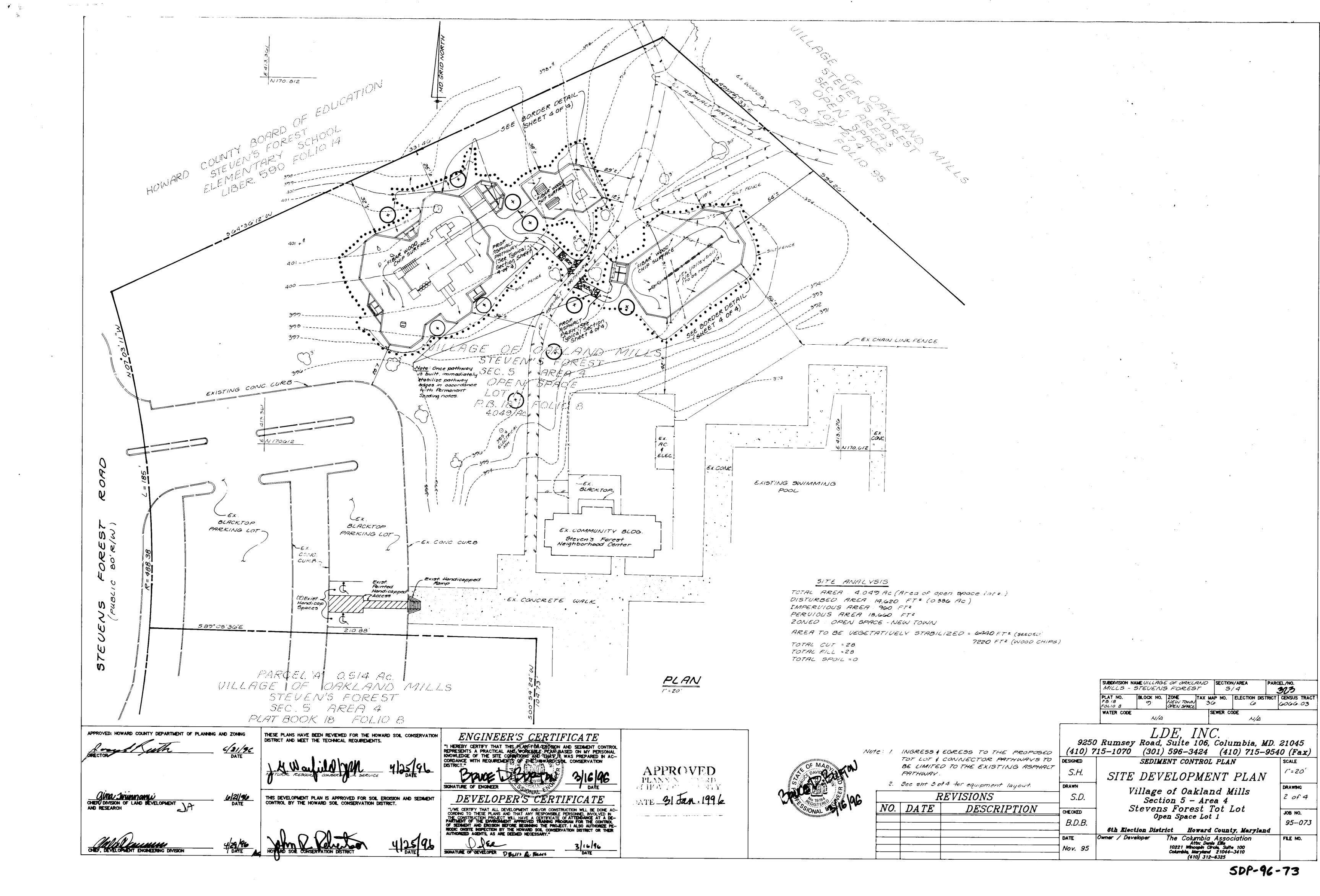
AS SHOWN

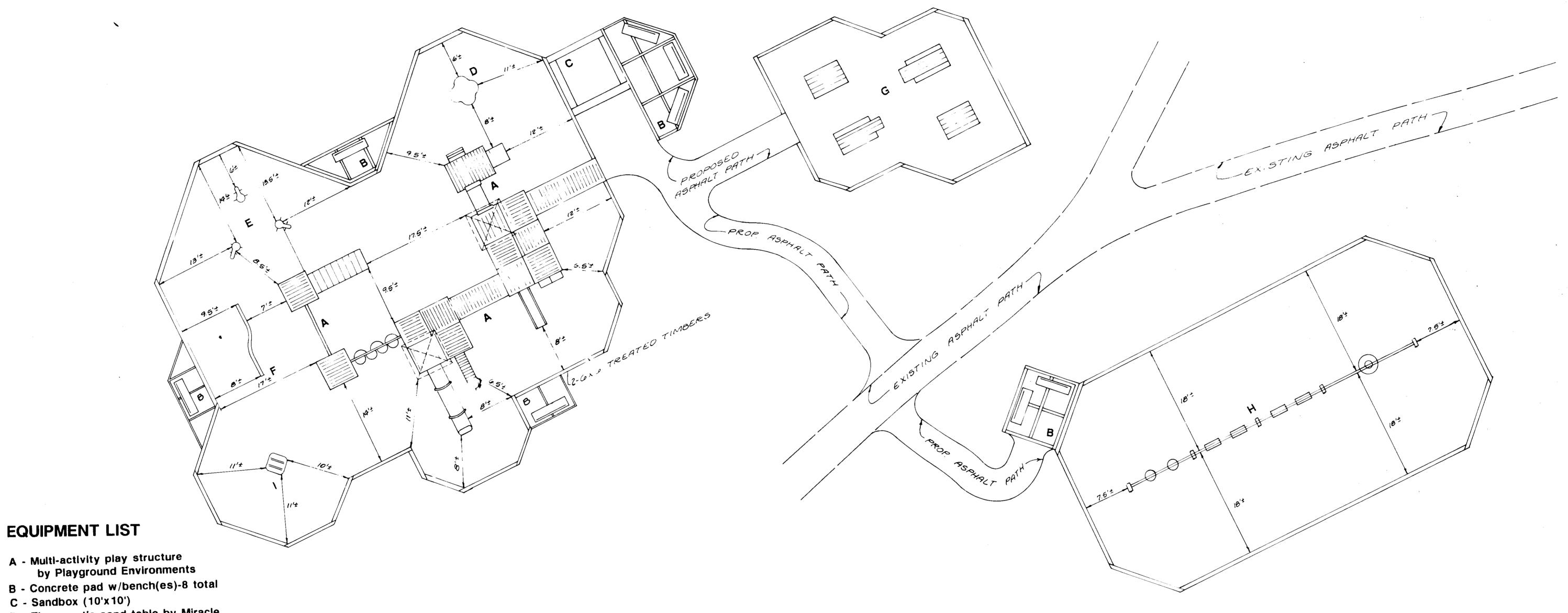
JOB NO.

95-073

TAX MAP NO. | ELECTION DISTRICT | CENSUS TRACT

Columbia, MD. 21045





STEVENS FOREST

ACCESSIBLE PLAYGROUND

Scale: 1/8" = 1-0"

A - Multi-activity play structure

D - Therapeutic sand table by Miracle

E - 3 Spring animals

F - S-curve balance beam

G - 4 Picnic tables on brick pavers

· 2 w/6' table top

· 2 w/8' table top

H - Swingset by Playground Environments

1 bay w/2 infant seats

· 2 bays w/2 belt seats each

1 bay w/tire swing

1 - Spring Pad

ENGINEER'S WERT TIFICATE

"I HEREBY CERTIFY THAT THE PLAN FOR EDISION AND SEDIMENT CONTROL
REPRESENTS A PRACTICAL AND WORMABLE PLAN BASED ON MY PERSONAL
KNOWLEDGE OF THE SITE SOLD CONSERVATION
DISTRICT" THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS. APPROVED BOARD OF THE PROPERTY NATURAL RESOURCE CONSERVATION SERVICE DATE 3/ Jan, 1996 THIS DEVELOPMENT PLAN IS APPROVED FOR SOL EROISION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT. "I/WE CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ONSITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY." SIGNATURE OF DEVELOPER DENIS A. BUS HOWARD SOIL CONSERVATION DISTRICT

DRAWN REVISIONS **DESCRIPTION** NO. DATE CHECKED DATE Nov. 95

SUBDIVISION NAME VILLAGE OF OAKLAND SECTION/AREA MILLS - STEVENS FOREST 5/4 PARCEL/NO. 323 BLOCK NO. ZONE TAX MAP NO. ELECTION DISTRICT CENSUS TRACT GOEN SPACE 36 606603 WATER CODE LDE, INC.
9250 Rumsey Road, Suite 106, Columbia, MD. 21045 (410) 715-1070 (301) 596-3424 (410) 715-9540 (Fax) EQUIPMENT LAYOUT PLAN 16"=1-0" SITE DEVELOPMENT PLAN Village of Oakland Mills Section 5 - Area 4 3 of 4 Stevens Forest Tot Lot Open Space Lot 1 JOB NO. 95-073

6th Election District Howard County, Maryland

Owner / Developer

The Columbia Association Attn: Denis Ellis 10221 Wincopin Circle, Suite 100 Columbia, Maryland 21044-3410 (410) 312-6325 SDP-16-73

### HOWARD SOIL CONSERVATION DISTRICT STANDARD SEDIMENT CONTROL NOTES

- A minimum of 48 hours notice must be given to the Howard County Department of Inspections, Licenses and Permits, Sediment Control Division prior to the start of any construction, (880-3450). All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in conformance with the most current "MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND
- SEDIMENT CONTROL", and revisions thereto. Following initial soil disturbance or redisturbance, permanent or temporary stabilization shall be completed within: a) 7 calendar days for all perimeter sediment control structures, dikes, perimeter slopes and all slopes greater than 3:1, b) 14 days as to all other disturbed or graded
- areas on the project site. 4. All sediment traps/basins shown must be fenced and warning signs posted around their perimeter in accordance with Vol. 1, Chapter 12, of the HOWARD COUNTY DESIGN MANUAL, Storm Drainage.
- All disturbed areas must be stabilized within the time period specified above in accordance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for permanent seeding (Sec. 51), sod (Sec. 54), temporary seeding (Sec. 50), and mulching (Sec. 52). Temporary stabilization with mulch alone can only be done when recommended seeding
- dates do not allow for proper germination and establishment of grasses.

  6. All sediment control structures are to remain in place and are to be maintained in operative condition until permission for their removal has been obtained from the Howard County Sediment Control Inspector. Site Analysis:

Total Area of Site 4.049 Acres 960 Area Disturbed Area to be roofed or paved Area to be vegetatively stabilized 13,660 Total Cut Cu. Yds. Total Fill Offsite waste/borrow area location N/A

- 8. Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance. Additional sediment control must be provided, if deemed necessary by the
- Howard County Sediment Control Inspector. 10. On all sites with disturbed areas in excess of 2 acres, approval of the inspection agency shall be requested upon completion of installation of perimeter erosion and sediment controls, but before proceeding with any other earth disturbance or grading. Other building or grading inspection approvals may not be authorized until this initial approval by the
- inspection agency is made. Trenches for the construction of utilities is limited to three pipe lengths or that which can be back filled and stabilized within one working day, whichever is shorter.

HOWARD SOIL CONSERVATION DISTRICT PERMANENT SEEDING NOTES

Apply to graded or cleared areas not subject to immediate further disturbance where a permanent long—lived vegetative cover is needed.

SEEDBED PREPARATION: Loosen upper three inches of soil by raking, disking, or other acceptable means before seeding, if not previously

SOIL AMENDMENTS: In lieu of soil test recommendations, use one of the following schedules:

schedules:

-- Apply 2 tons per acres dolomitic limestone (92 lbs/1000sq. ft.) and 600 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq. ft.) before seeding. Harrow or disk into upper three inches of soil. At time of seeding, apply 400 lbs per acre 30-0-0 ureaform fertilizer (9 lbs/1000sq. ft.)

2) ACCEPTABLE

--- Apply 2 tons per acres dolomitic limestone (92 lbs/1000sq. ft.) and 1000 lbs per acre 10-10-10 fertilizer (23 lbs/1000 sq. ft.) before seeding. Harrow or disk into upper three inches of soil.

SEEDING — For the periods March 1 thru April 30, and August 1 thru October 15, seed with 60 lbs per acre (1.4 lbs/1000sq. ft.) of Kentucky 31 Tall Fescue. For the period May 1 thru July 31, seed with 60 lbs per acre (1.4 lbs/1000sq. ft.) of Kentucky 31 Tall Fescue and 2 lbs. per acre (.05 lbs/1000sq. ft.) of weeping lovegrass. During the period of October 16 thru February 28, protect site by: Option (1) — 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring. Option (2) — Use sod. Option (3) — Seed with 60 lbs.per acre Kentucky 31 Tall Fescue and mulch 2 tons / acre well anchored

MULCHING — Apply 1—1/2 to 2 tons per acre (70 to 90 lbs/1000sq. ft.) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gallons per acre (5 gal/1000sq. ft.) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 348 gallons per acre (8 gal/1000sq. ft.) for anchoring 1000sq. ft.) for anchoring.

MAINTENANCE — Inspect all seeding areas and make needed repairs, replacements

## TEMPORARY SEEDING NOTES Apply to graded or cleared areas likely to be redisturbed where a short-term

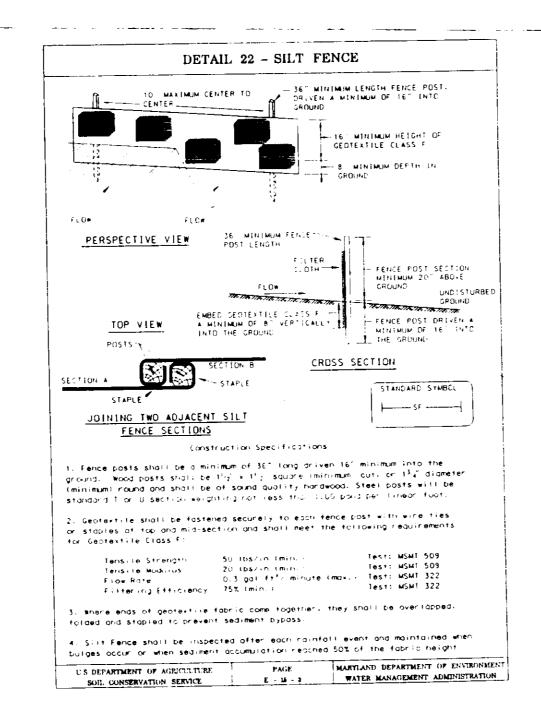
SEEDBED PREPARATION: —— Loosen upper three inches of soil by raking, disking, or other acceptable means before seeding, if not previously

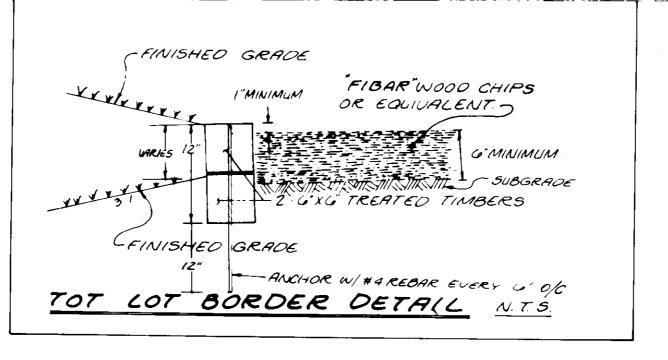
SOIL AMENDMENTS: -- Apply 600 lbs per acre 10-10-10 fertilizer (14 lbs/1000sq.

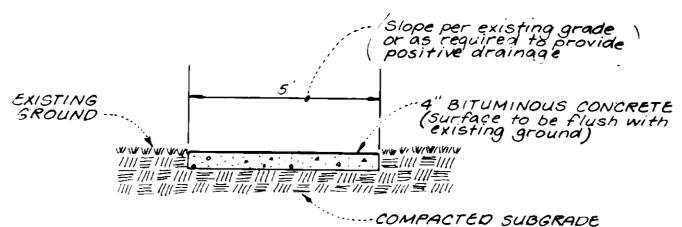
SEEDING -- For periods March 1 thru April 30, and from August 15 thru October 15 seed with 2-12 bushels per acre of annual rye (3.2 lbs/1000sq. ft.). For the period May 1 thru August 14, seed with 3 lbs. per acre of weeping lovegrass (.07 lbs/1000sq. ft.). For the period November 16 thru February 28, protect site by applying 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring, or

MULCHING — Apply 1—1/2 to 2 tons per acre (70 to 90 lbs/1000sq. ft.) of unrotted weed free small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gallons per acre (5 gal/1000sq. ft.) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 348 gallons per acre (8 gal/1000sq. ft.) for anchoring.

Refer to the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for additional rates and methods not covered.

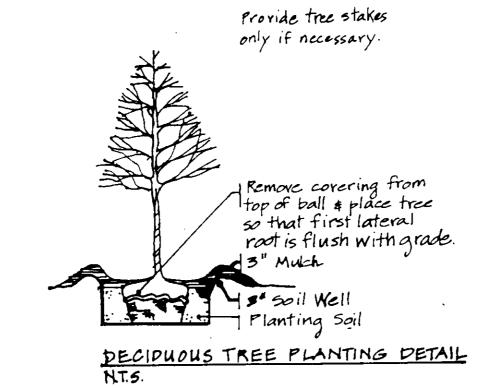




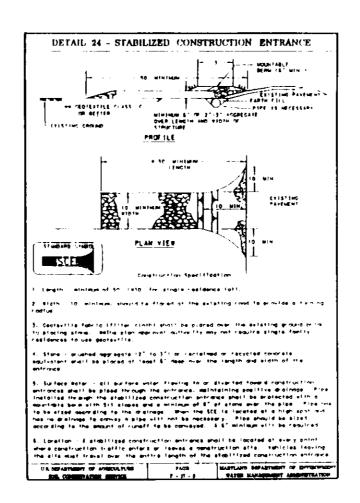


(95% Compaction) TYPICAL ASPHALT PATHWAY SECTION

Not To Scale



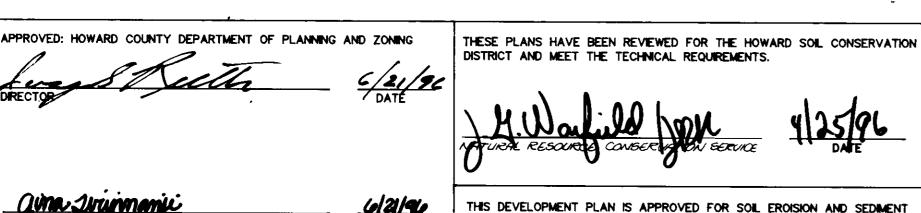
SYMBOL	COMMON NAME	BOTANICAL NAME	SIZE	QTY	REMARKS
(+)	Red Maple	Acer rubrum	2 1/2"- 3" cal	10	B & B

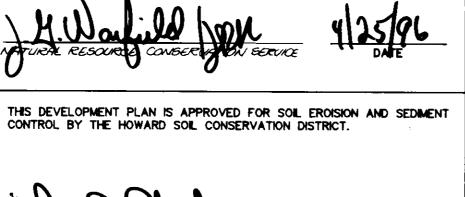


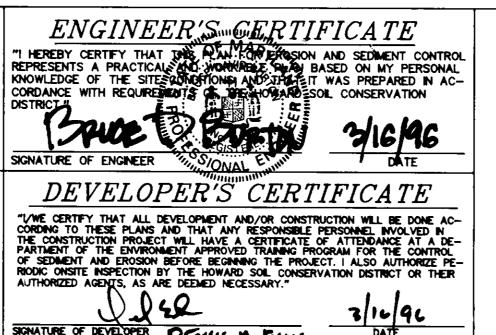
# SEQUENCE OF CONSTRUCTION

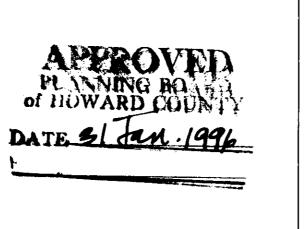
1.	Obtain grading permit.	1	DAY
2.	Notify the Howard County Bureau of Inspections, Licenses and Permits at least 48 hours prior to beginning any work.	1	DAY
3.	Install silt fence per sediment control plan.	1	DAY
4.	Clear and grub site as per plan.	1	DAY
5.	Grade site maintaining positive drainage at all times.	1	DAY
6.	Stabilize all disturbed areas outside of proposed Tot Lot borders in accordance with the permanent seeding notes.	1	DAY

- 7. Construct Tot Lot areas as shown on plans and stabilize 5 DAY all disturbed areas in accordance with the permanent seeding notes.
- 8. When all disturbed areas have been stabilized and upon 1 DAY approval of the Sediment Control Inspector remove all sediment control devices.











			9250 (410) 7	$LDE,\ INC.$ O Rumsey Road, Suite 106, Columbia, MD. 215-1070 (301) 596-3424 (410) 715-954	21045 !0 (Fax)
			DESIGNED	SEDIMENT CONTROL NOTES AND DETAILS	SCALE
			S.H.	SITE DEVELOPMENT PLAN	AS SHOWN
			DRAWN	Village of Caldand Wille	DRAWING
REVISIONS			S.D.	Village of Oakland Mills Section 5 - Area 4	4 of 4
<i>TO</i> .	DA TE	DESCRIPTION	CHECKED	Stevens Forest Tot Lot	JOB NO.
			B.D.B.	Open Space Lot 1	95-073
	<u> </u>			6th Election District Howard County, Maryland	
			DATE Nov. 95	Owner / Developer The Columbia Association Attn: Denis Ellis 10221 Wincopin Circle, Suite 100 Columbia, Maryland 21044—3410 (410) 312—6325	FILE NO.

SUBDIVISION NAME UILLAGE OF OAKLAND SECTION/AREA

30

9 NEW TOWN OPEN SPACE

MILLS - STEVEN'S FOREST

WATER CODE

323

6066.03

TAX MAP NO. | ELECTION DISTRICT | CENSUS TRACT

6